

ABSTRACT

A generator comprises a first core (hollow cylindrical core) 1, a second core (cylindrical columnar core) 2, a plurality of extending core portions (radially extending core portions) 3 interposed between the cores and radially extending at predetermined spacing in the circumferential direction, slots 4 formed between adjacent ones of the radially extending core portions, and primary 10 and secondary windings 5 and 6 wound around the extending core portions 3 between the slots. The plurality of radially extending core portions 3 with the primary and secondary windings being wound therearound are extending from the hollow cylindrical core 1 and integrated with the hollow 15 cylindrical core 1, and the cylindrical columnar core 2 is attached into the hollow area of the hollow cylindrical core 1. This assembling structure and method can improve the workability when assembling the generator including the primary and secondary windings.